



100-DISC DVD-ROM AUTOCHANGER DRM-1004V40

**INTRODUCING
THE WORLD'S FIRST
100-DISC DVD-ROM
AUTOCHANGER**



Pioneer's DVD-ROM Optical Database System Supports Advanced Data Management with Faster Access Plus up to 850 Huge Storage Capacity

As office networking environments continue to expand, there is a rapidly increasing need for reliable and efficient systems that handle larger volumes of data. The launch of the DVD-ROM helps to meet this need by providing an optical disc medium that allows up to 4.7 GB of data to be stored on a 12 cm single layer disc (or 8.5 GB in the case of a dual layer disc). To allow users to take advantage of this exciting new development, Pioneer has launched the DRM-1004V40, a 100-disc jukebox-style autochanger featuring a 2.6X speed DVD-ROM read-only drive that enables rapid access to as much as 470 GB (single layer DVD)/850 GB (dual layer DVD) of data. For extra flexibility, the DRM-1004V40 also reads data from the latest DVD-R discs which can be written using Pioneer's DVR-S101 DVD-R drive. This system is also read compatible with conventional CD-ROM and CD-R discs at 20 times the standard speed, so there's no need to abandon your current data library in order to upgrade to DVD-ROM. Furthermore, to complement this versatility, Pioneer has equipped the DRM-1004V40 with an extremely durable mechanism that ensures the highest levels of operational reliability.

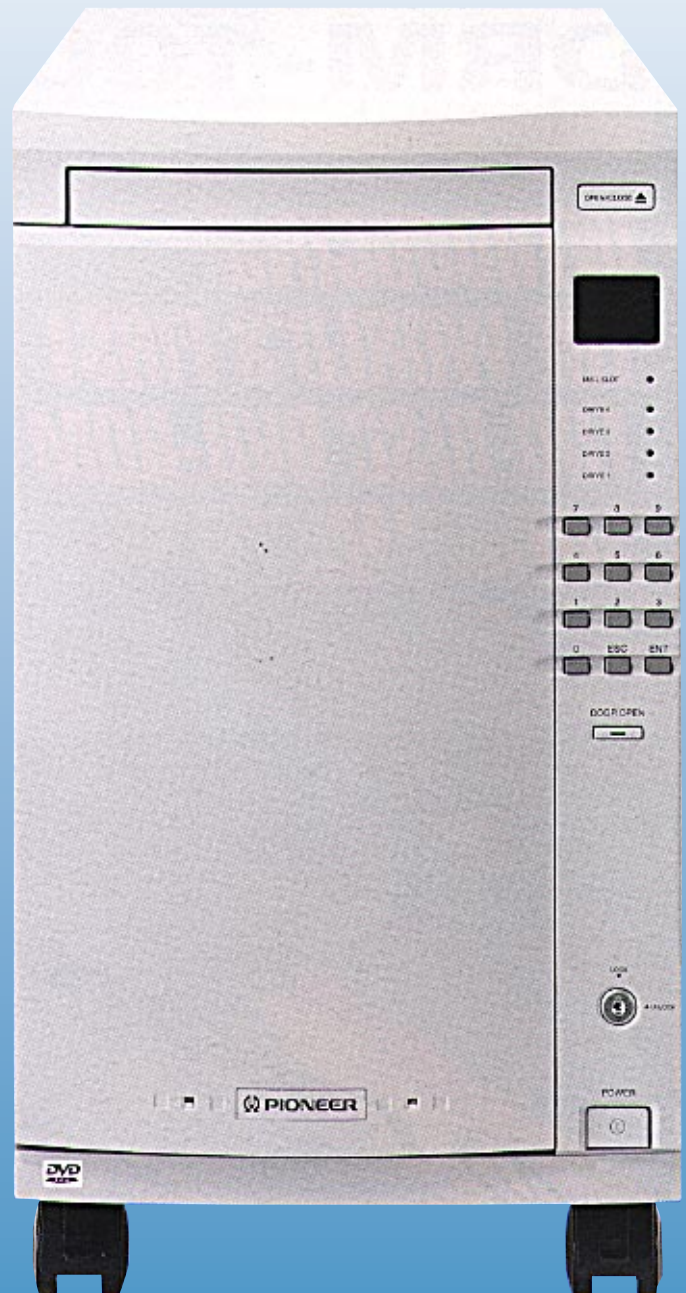
Two Separate 50-Disc Magazines

The DRM-1004V40's magazine system can accommodate as many as 100 DVD-ROM/DVD-R or CD-ROM/CD-R discs on two separate, removable 50-disc magazines. This arrangement allows the user to load and unload discs easily and conveniently.



High-Speed Disc Exchange

Pioneer's leading-edge servo technology enhances the data access efficiency of the DRM-1004V40 by automatically exchanging discs in just 6 seconds.



User-Friendly Keypad Display and Disc Mailslot

The DRM-1004V40 is equipped with an ergonomically designed keypad display for simplified operation. A convenient mailslot allows users to insert and retrieve individual discs on command, thereby eliminating the need to open the jukebox door.

Super-Fast 2.6X DVD-ROM Drive

Pioneer has designed the DRM-1004V40 to read out data from DVD-ROM discs at a speed of 3.5 MB/s, or 2.6 times the standard DVD-ROM rate. In addition, this autochanger is capable of reading CD-ROM discs at a sustained data transfer rate of 3 MB/s, which is a full 20 times the standard CD-ROM rate.

Rugged Reliability and Amazing Versatility

Designed to ensure reliable operation in heavy-use environments, the DRM-1004V40 has achieved an MSBF rating of 2.5 million disc swaps. Furthermore, the drive is read compatible with all current DVD-ROM and CD-ROM discs.

Simultaneous Multi-Drive Access

For high-demand data library and archive situations, Pioneer offers DRM-1004V40 models with up to four disc drives, this allows several users to access the database at the same time.

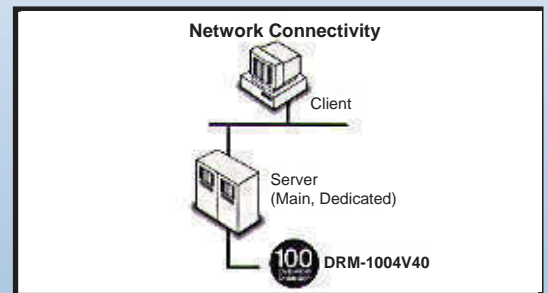
Versatile Server/Network Compatibility

Using third-party software, the DRM-1004V40 can be easily integrated into all popular network environments including Windows NT, SUN, HP and SGI servers to support wide-ranging data retrieval, imaging and archival applications.

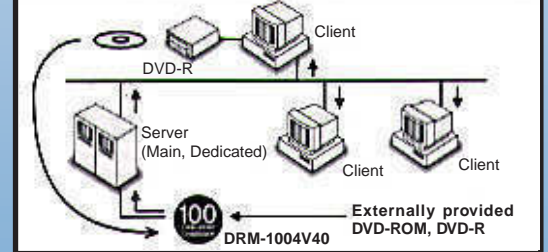
Automatic Disc Inventory

The DRM-1004V40 incorporates a built-in non-volatile memory which automatically inventories each magazine. The feature eliminates the risk of inserting discs into an occupied slot, therefore preventing the risk of disc damage.

Application Example



DRM-1004V40:Reader only Example Configuration



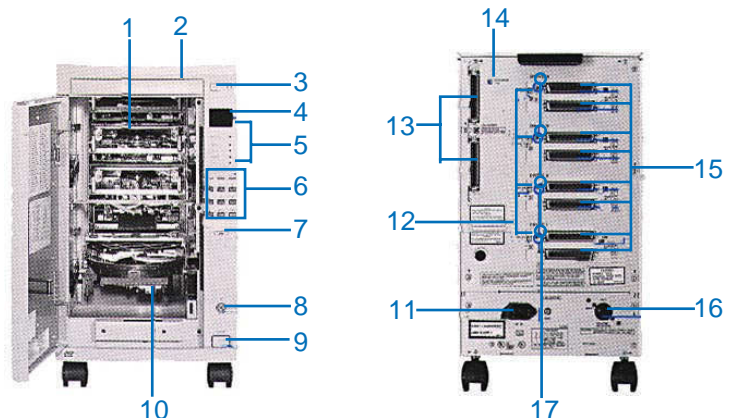
Example Application Environments

- Document Imaging
- General Archiving
- Pre-Press, Printing
- Photo, Image Data Storage
- Medical Data Archiving
- CAD Data Archiving
- Data Distribution

Using the DRM-1004V40 as optical library for storage & retrieval/archival in a network environment, data-whether created in-house or obtained from an external source-can be accessed/archived by network clients in transparent manner, combined with the benefits of a centralized control.

Configuration & Functions

- | | |
|--------------------------|---|
| 1 DVD-ROM Drive | 11 AC Inlet |
| 2 Mail Slot (Tray Bezel) | 12 SCSI (Selector) Setting Switch for Drive |
| 3 Open/Close Button | 13 SCSI Connector for Changer |
| 4 Mode Indicator | 14 SCSI ID (Selector) Setting for Changer |
| 5 Disc Indicator | 15 SCSI Connector for Drive |
| 6 Operation Key | 16 Voltage Selector |
| 7 Door Open Button | 17 Audio Out Terminal for Drive |
| 8 Key Switch | |
| 9 Power on/off Button | |
| 10 Elevator | |

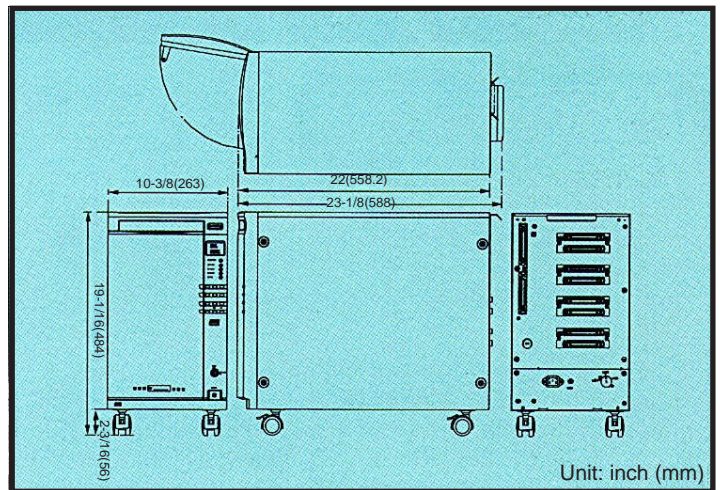


DRM-1004V40 SPECIFICATIONS

General	
Number of Discs	Up to 100 DVD-ROM and/or CD-ROM discs (2 removable 50-disc magazines)
Configurations	Up to four read
Interface	SCSI-2
SCSI ID	Individually set for each drive and for jukebox robotics control
Disc Change Time	6 seconds
Disc Load Time	Less than 3 seconds
Safety Regulations	UL, CSA, TÜV, CE, FCC, VCCI, FA, DOC
Reliability	
Changer Mechanism(MSBF)	
Disc Change	2,500,000 times*
Mail-slot Open/Close	100,000 times
Reader Drive	
MTBF	100,000 POH(Duty 20%)
Physical Characteristics	
Dimensions (W x H x D)	10-3/8" x 19-1/16" x 23-1/8" (263 x 484 x 588 mm)
Weight (Net)	74 lbs. (33.6 kg)
Operating Voltage	AC100V, 120V, 230V
Power Consumption	70W
Environmental Conditions	
Operating Temperature	41°F to 95°F degrees 5°C to 35°C degrees
Operating Humidity	5 to 80%RH
Storage Temperature	-40°F to 140°F degrees -40°C to 60°C degrees
Storage Humidity	10 to 90%RH

*Apart from consumable parts.

DIMENSIONS



DVD-R Drive DVR-S101

•Maximum Recording of 3.95 Gbytes/Side Plus High Reliability
To further expand the DRM-1004V40's functionality, the DVR-S101 is capable of writing data onto the DVD-R discs sold by Pioneer and other makers.

DVR-S101



DVD-R Disc
DVS-V3950S

INTERNAL DVD-ROM DRIVE SPECIFICATIONS

Media Type	DVD-Single & Dual Layer, DVD-R, CD-ROM Mode 1, CD-ROM XA Mode 2(form 1 & 2), CD-DA, CD-R, CD-RW, CD-Extra, Video-CD Notes: DVD-RAM...not supported
Data Transfer Rate	
DVD-ROM(single)	2,8 MB/s - 3.5 MB/s
CD-ROM(Mode 1)	1,4 MB/s - 3.0 MB/s
Random Access Time(Average)	
DVD-ROM(single)	150 msec
CD-ROM(Mode 1)	120 msec
Audio Output Terminal	Stereo mini jack x 1

Internal DVD-ROM Drive DVD-D302

Pioneer's DRM-1004X40 and 1004XR21 100-disc CD-ROM autochanger models can be upgraded for DVD use by replacing their CD-ROM drive units with the DVD-D302 DVD-ROM drive. However, upgrading is not possible in the case of older models. (For the specifications of DVD-D302, please refer to the chart on the left.)



Model	Drive Speed	Upgradable
DRM-1004X40	12X	Yes
DRM-1004XR21	12X	Yes
DRM-1004X-2	4.4X	No
DRM-1004X-4	4.4X	No
DRM-1004XR	4.4X	No

- For more details, contact one of the addresses below.
- Design and specifications are subject to change without notice.
- All other product names and company names are registered trademarks of their respective owners.

CONTACT

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